

1.00230-82543250

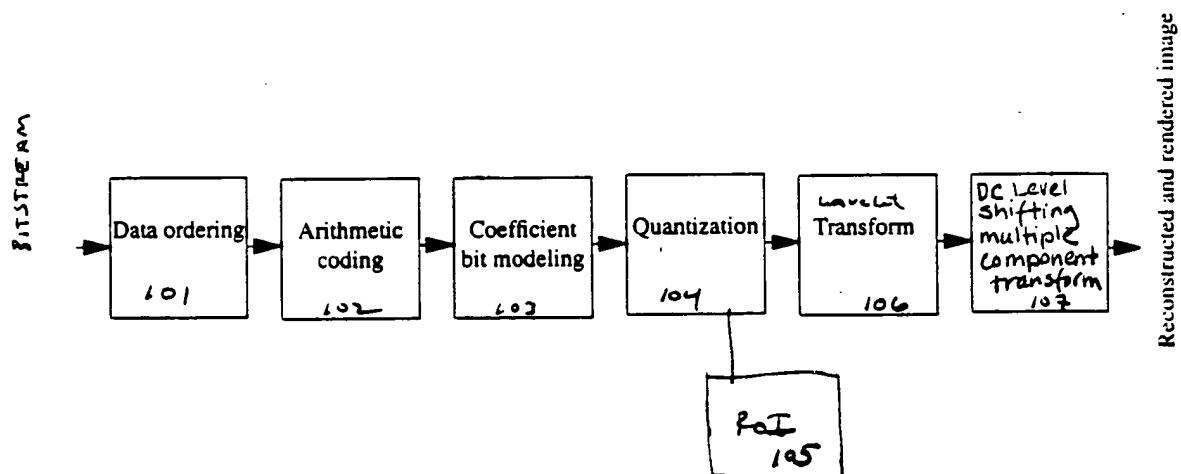


Figure 1

09784928-08001

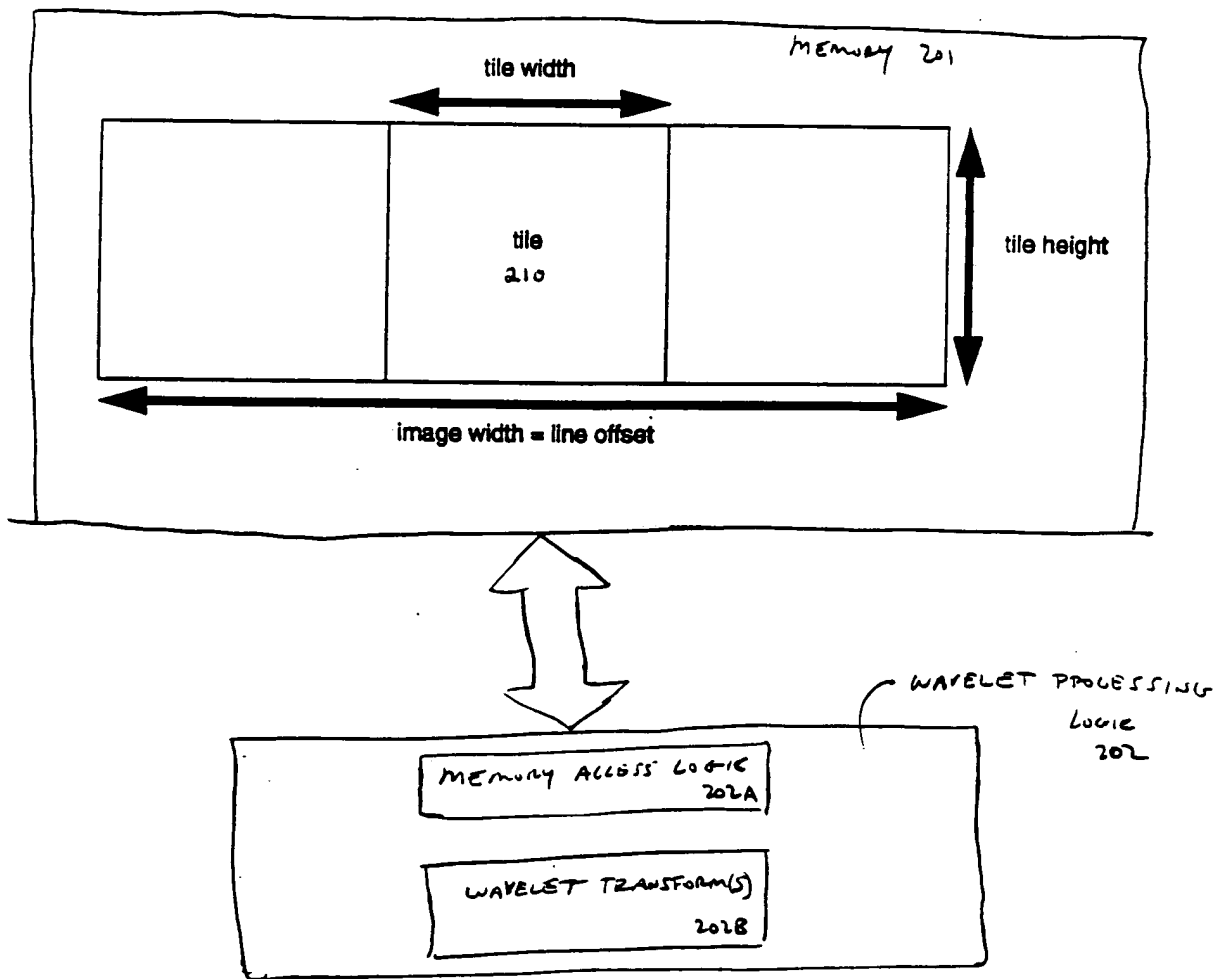


Figure 2

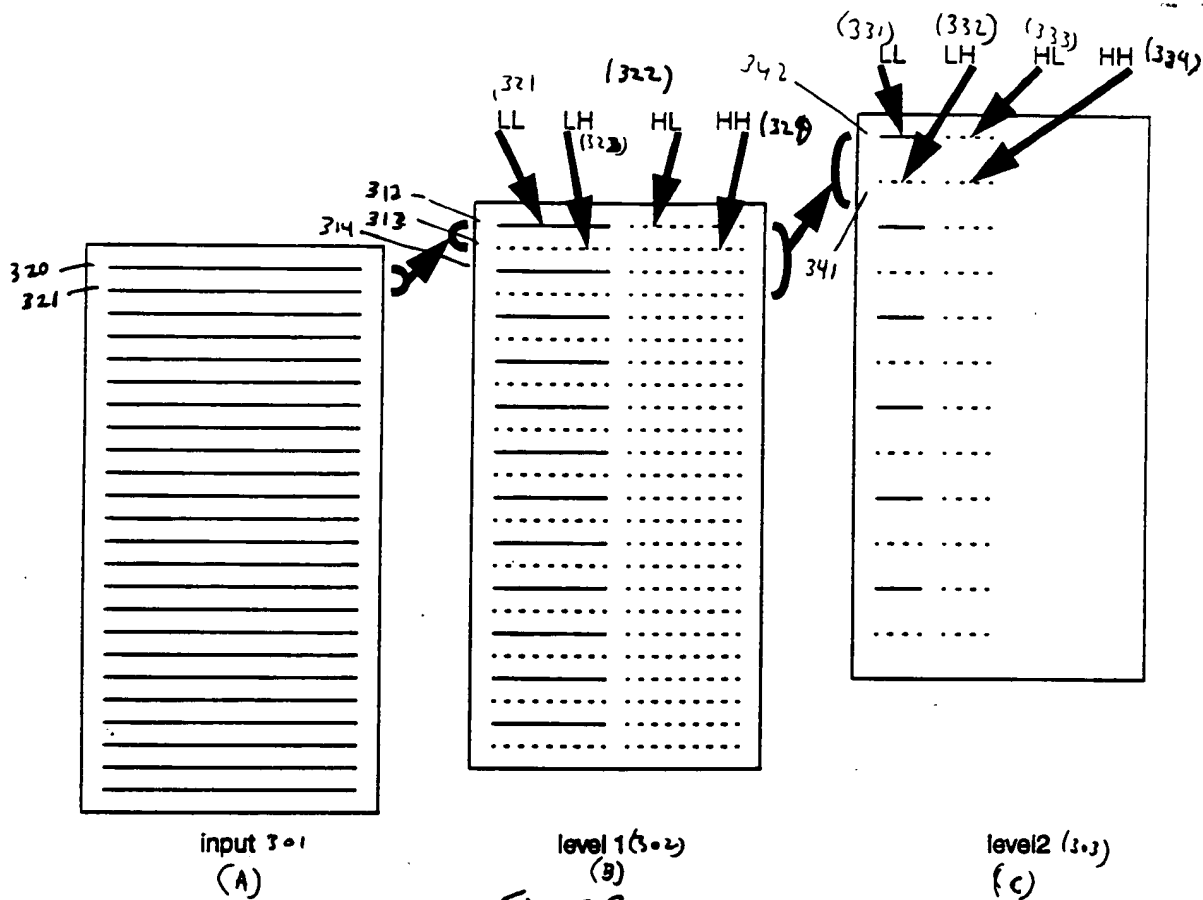


Figure 3

FORM 80-32648-10

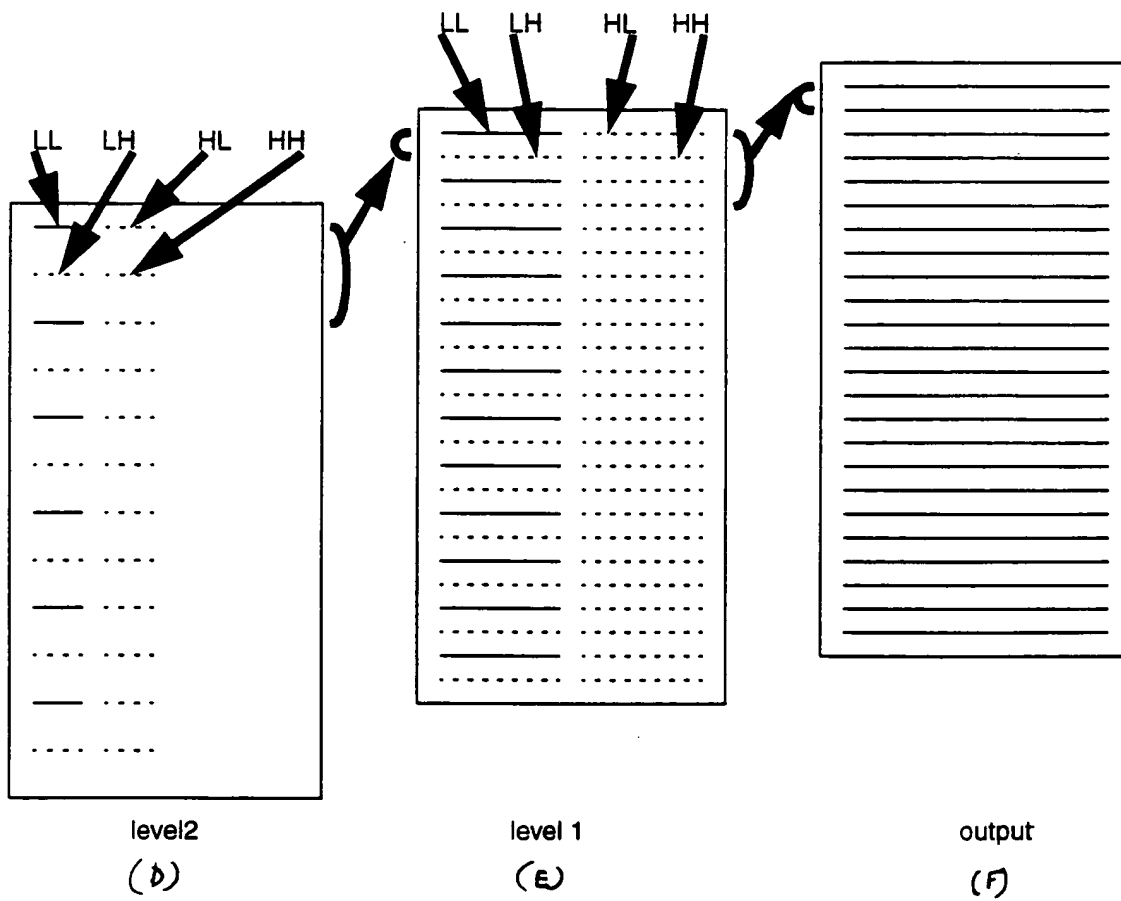


Figure 3

T00280" 82648260

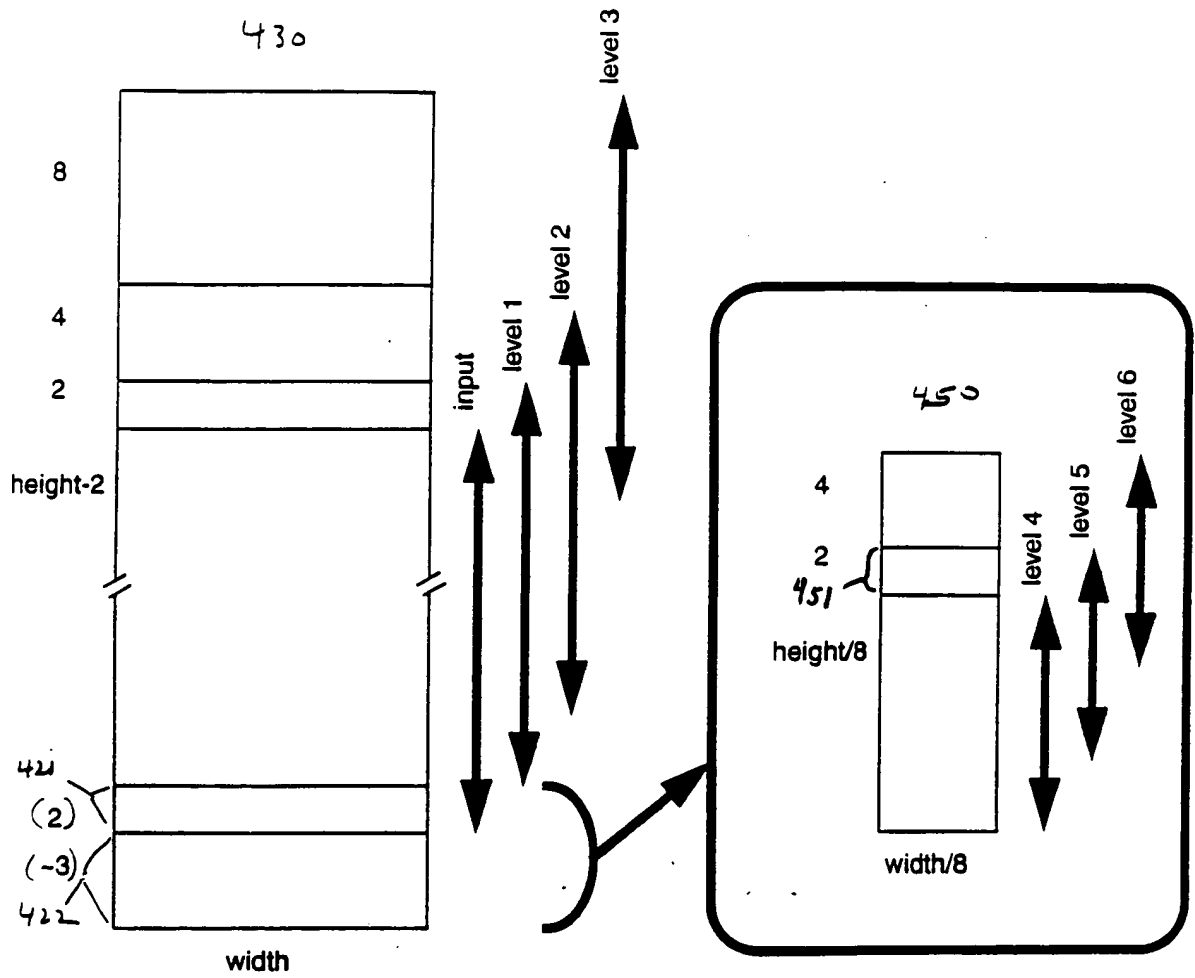


Figure 4 A

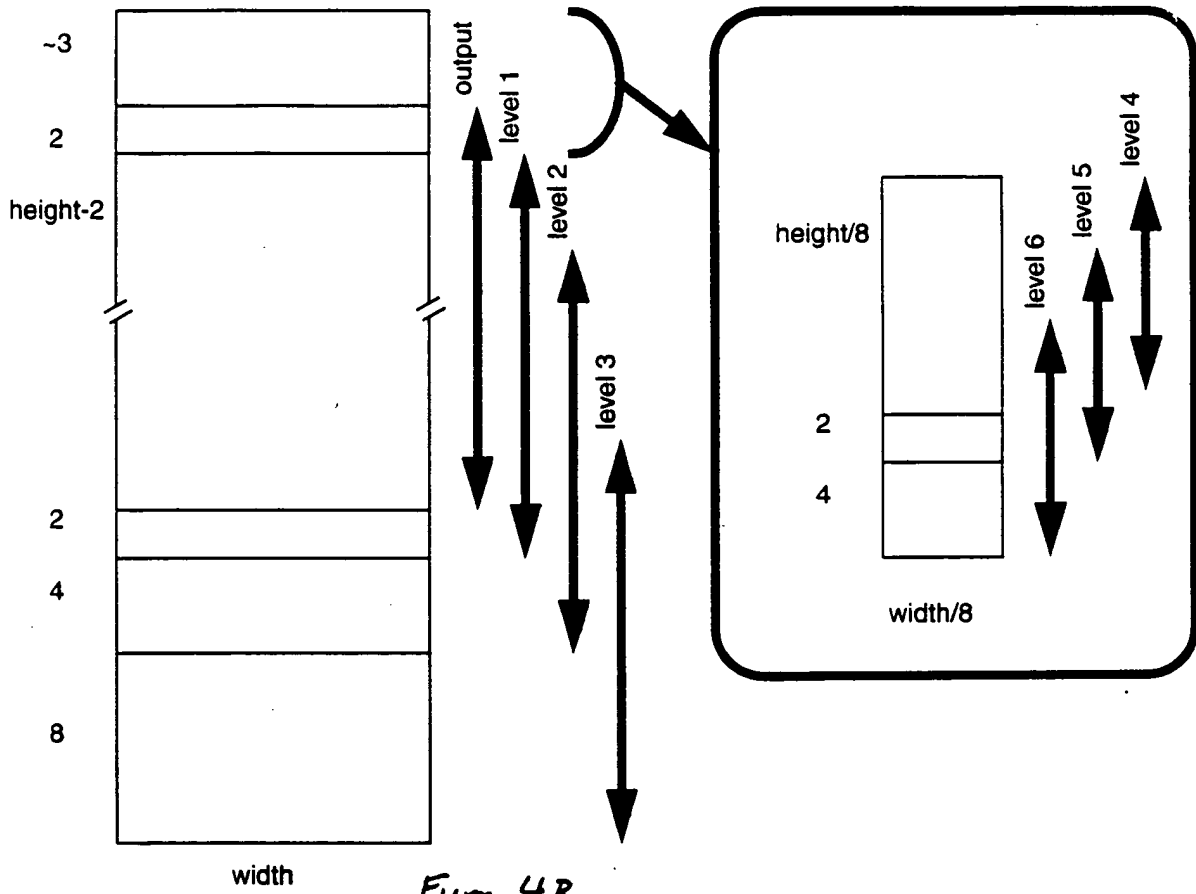


Figure 4B

```

graph TD
    Input["color input pixels (RGB)  
in raster order"] --> Tile
    subgraph Tile [tile]
        direction LR
        Width["image width - tile width"]
        Height["tile height"]
    end
    Tile --> Memory["memory to store pixels  
501"]
    Memory --> Conversion["color conversion  
and/or level shifting"]
    Input --> Conversion
    Conversion --> Buffer1["coefficient buffer for one tile,  
one component (used by transform)  
502_1"]
    Conversion --> Buffer2["coefficient buffer for one tile,  
one component (used by transform)  
502_2"]
    Conversion --> BufferN["coefficient buffer for one tile,  
one component (used by transform)  
502_N"]
    Buffer1 --> Entropy["context model and entropy coder  
503/504"]
    Buffer2 --> Entropy
    BufferN --> Entropy
    Entropy --> Memory2["coded data memory  
505"]

```

Figure 5

100280" 8264928 082004

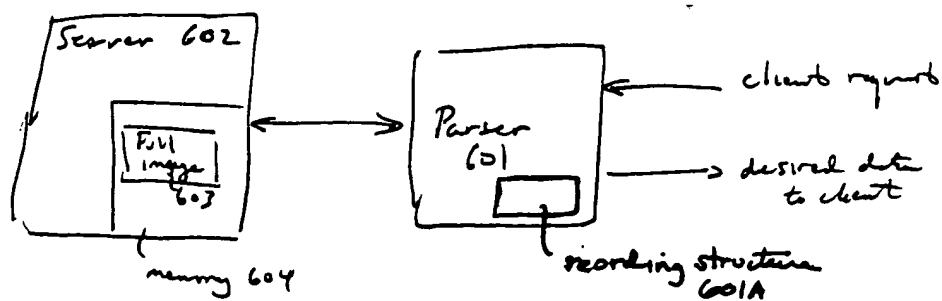


Figure 6A

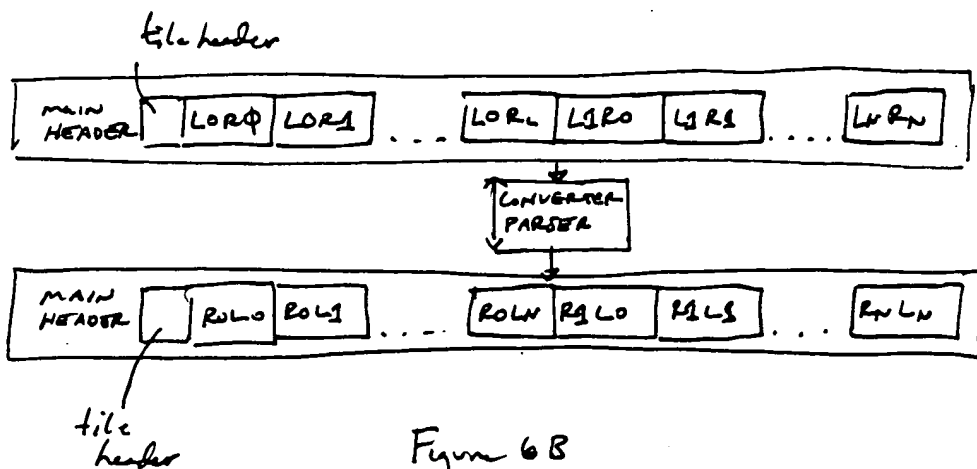


Figure 6B



09784928-00001

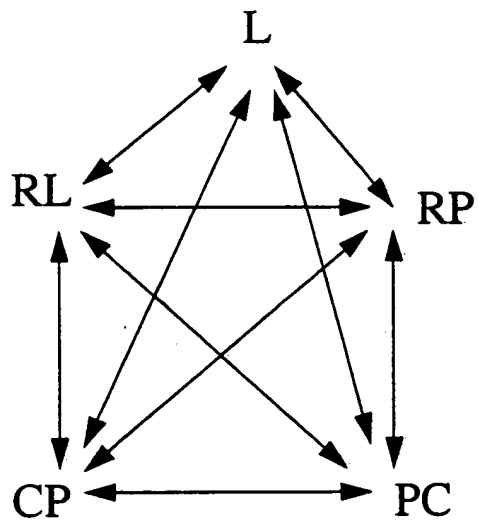


Figure 7A

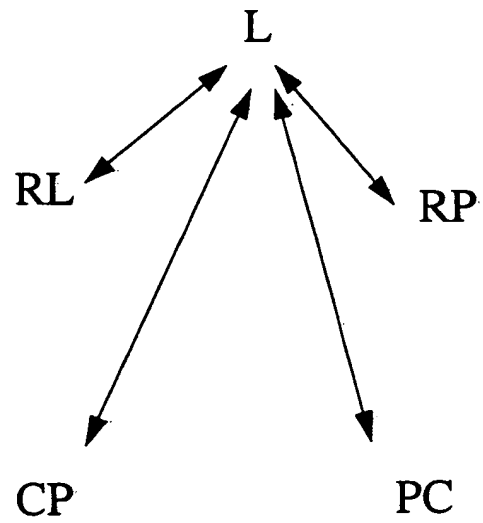


Figure 7B

0978498-08001  
T00280" 82648260

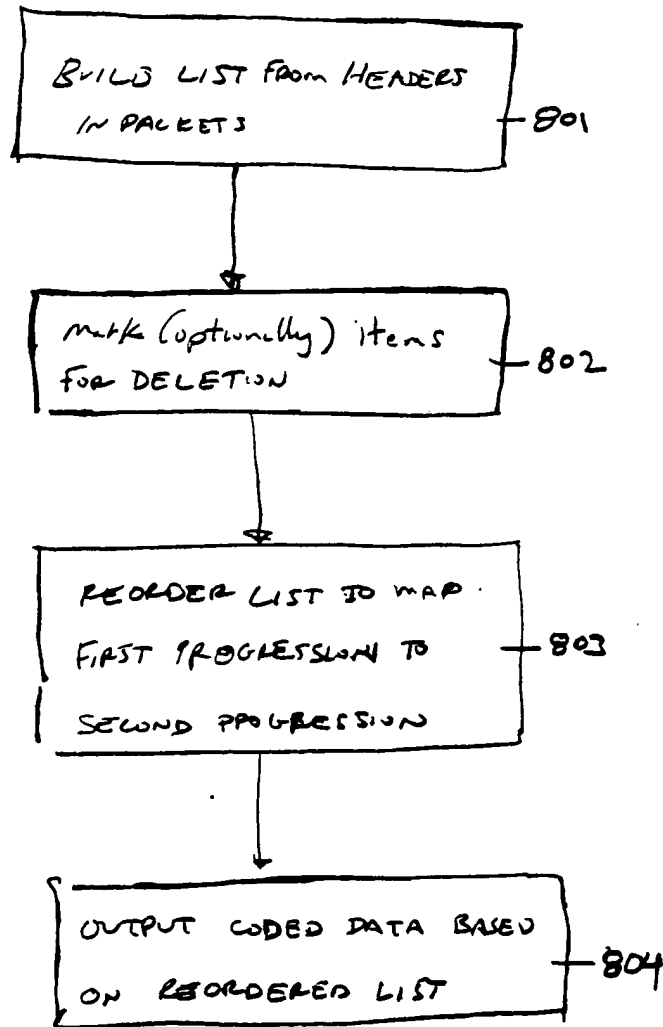


Figure 8

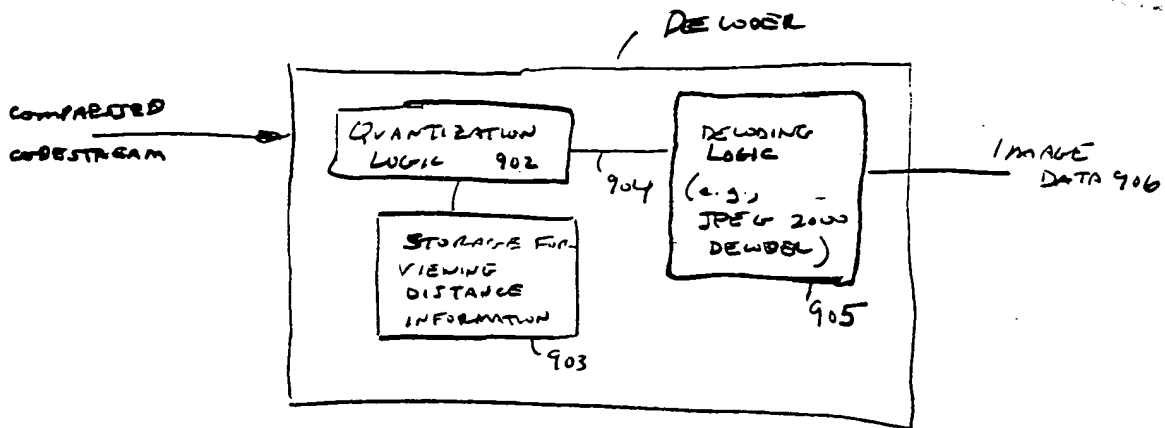


Figure 9

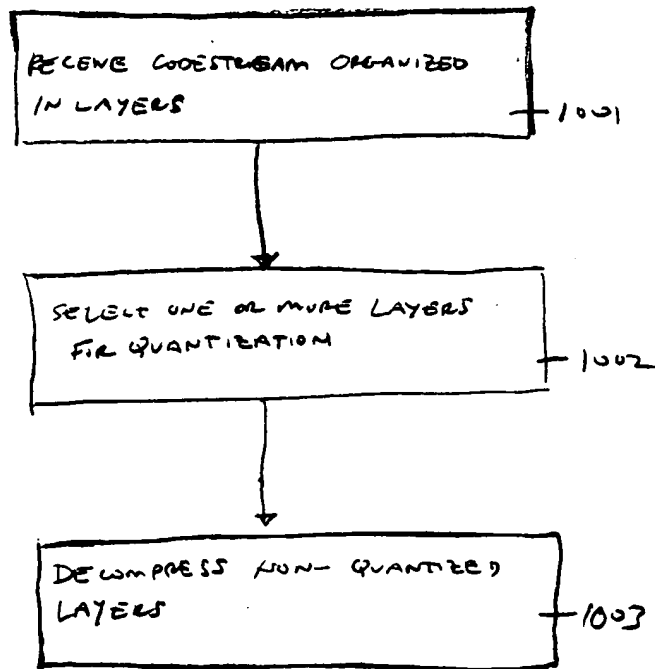


Figure 10

100280" 82649260

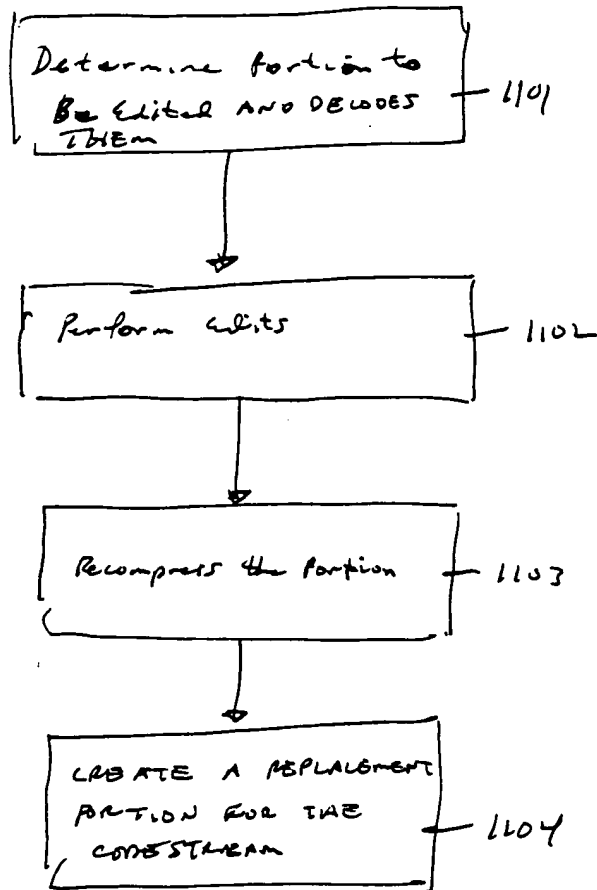


Figure 11

09784938-082001

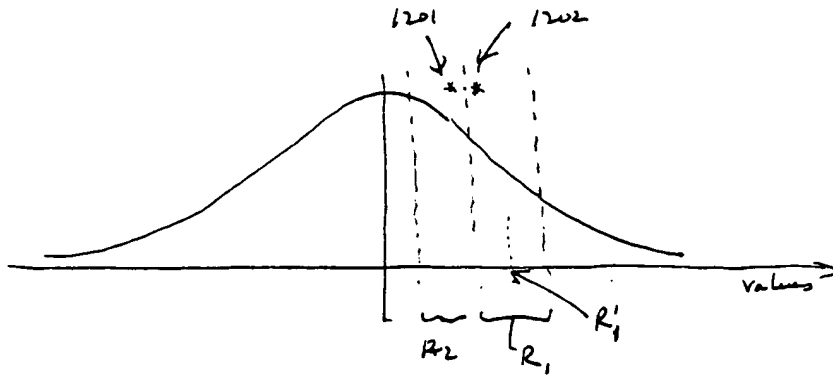


Figure 12

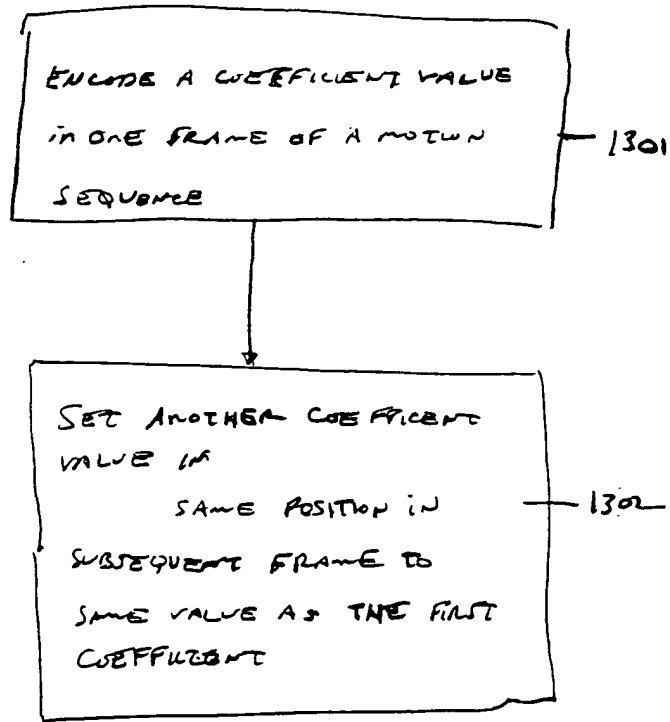


Fig 13

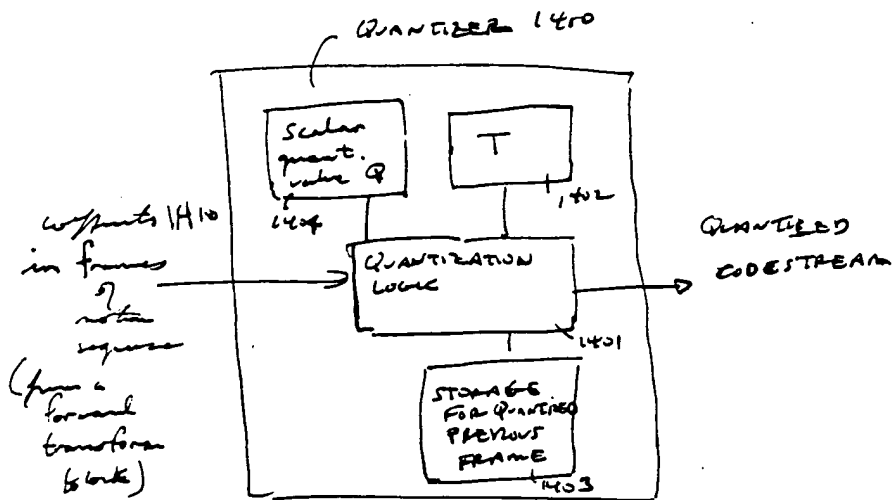


Figure 14

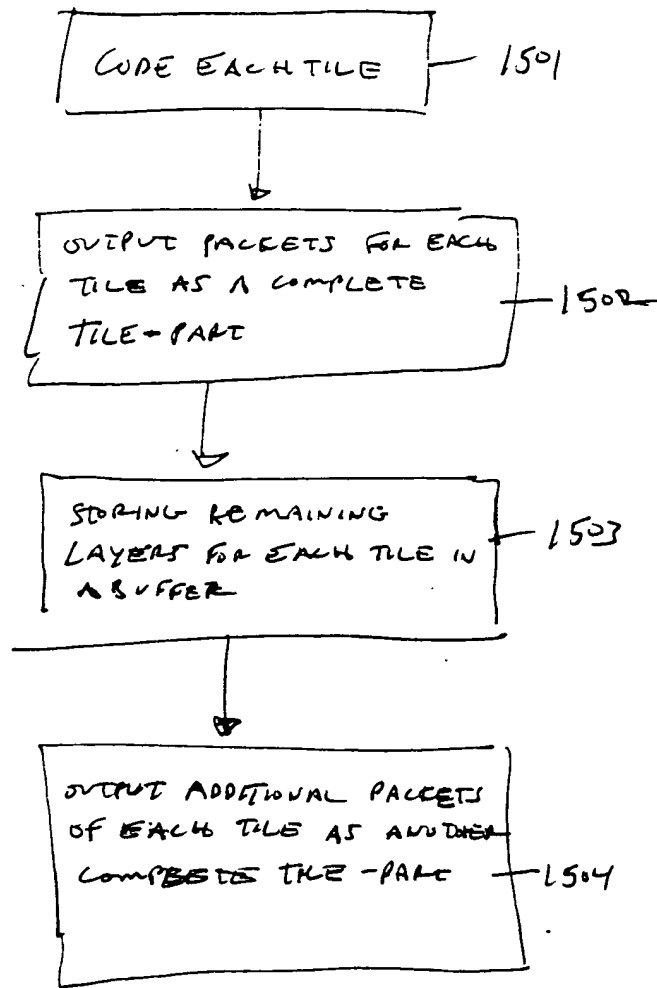


Figure 15 A

09784928-082001

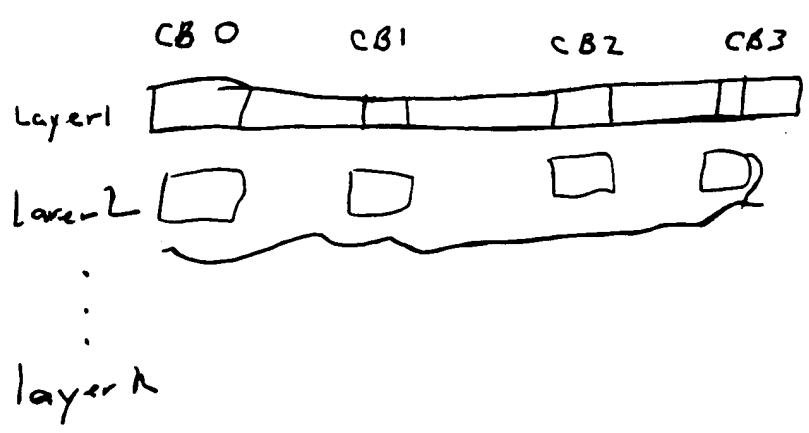


Fig 15B



09784923-022001

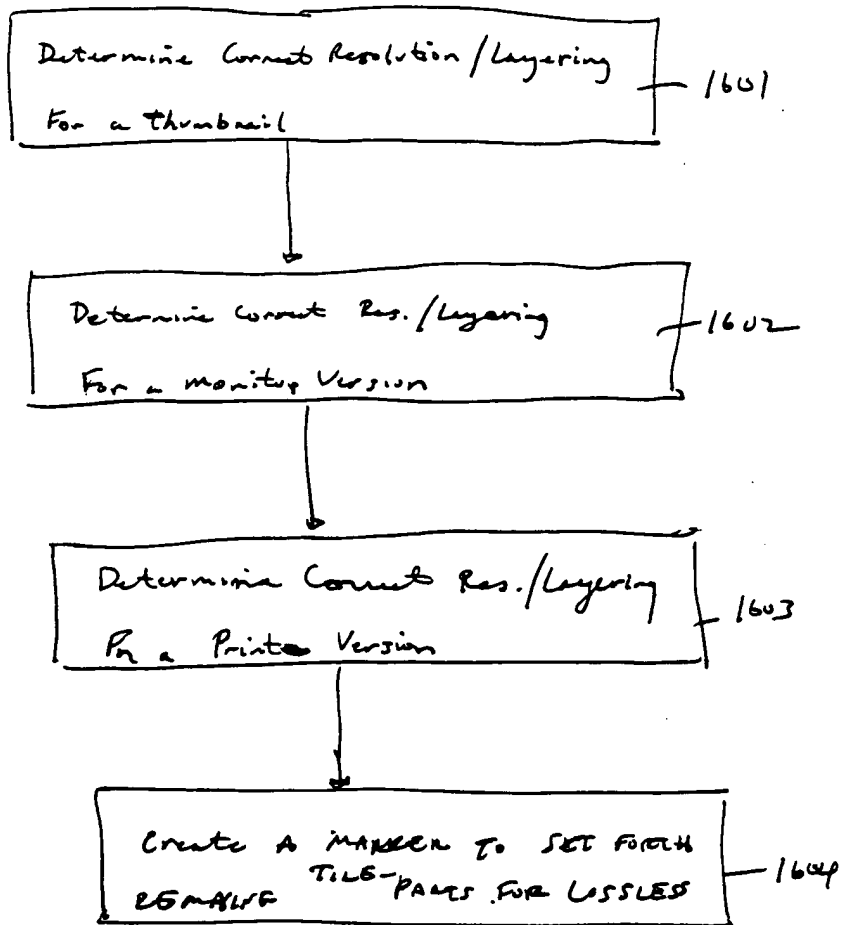


Figure 16

FOUO 32648260

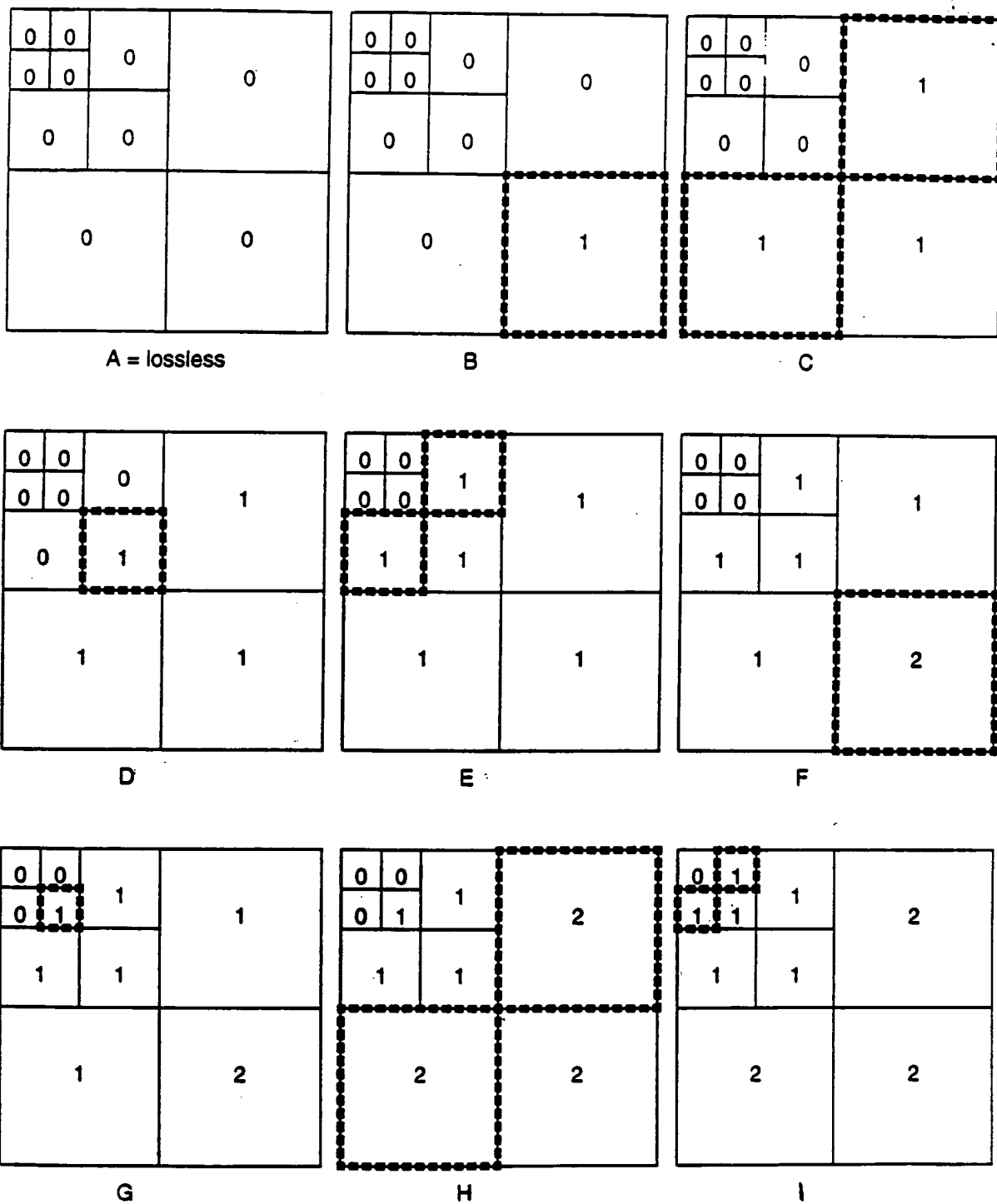


Figure 17

0978498-082001

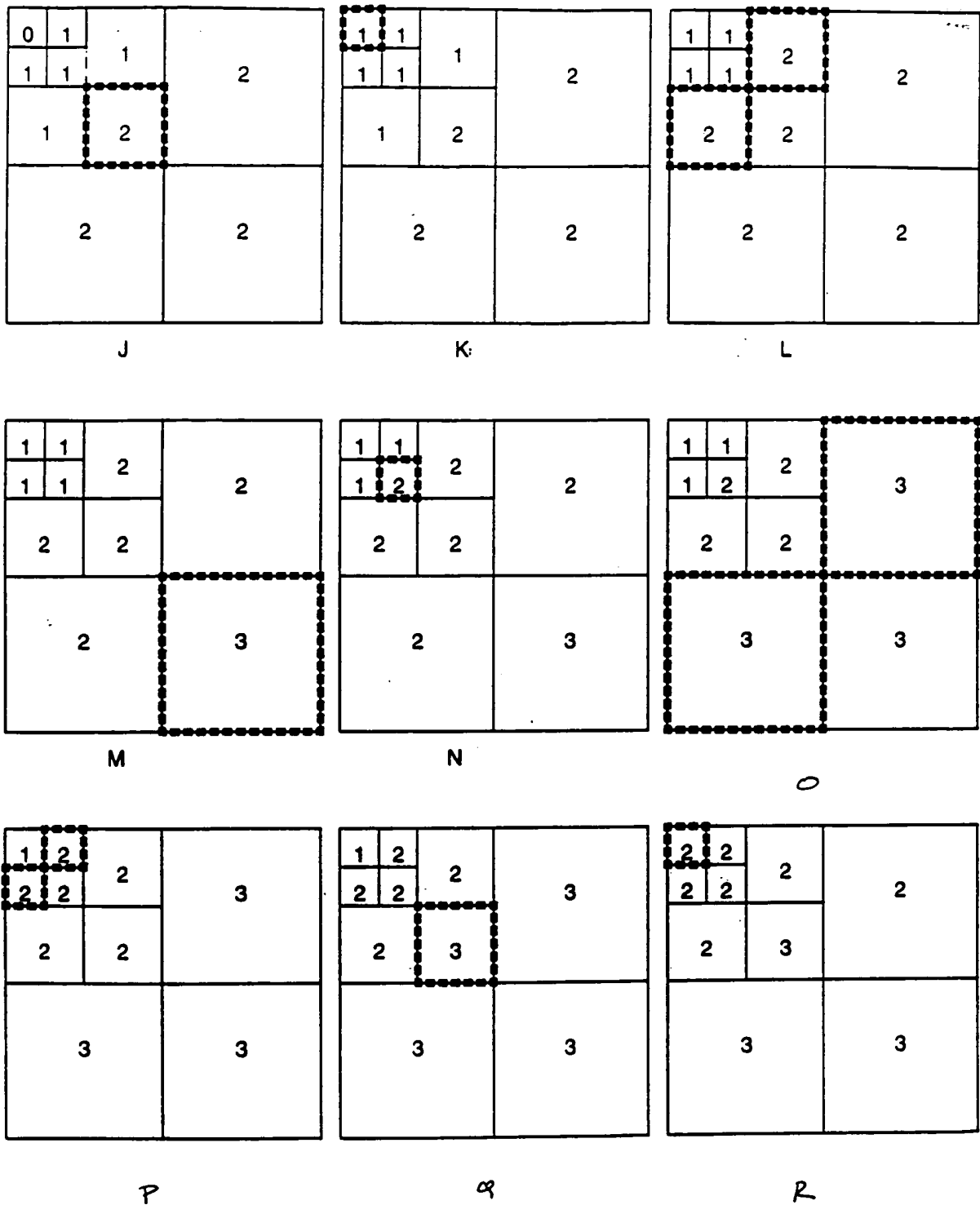
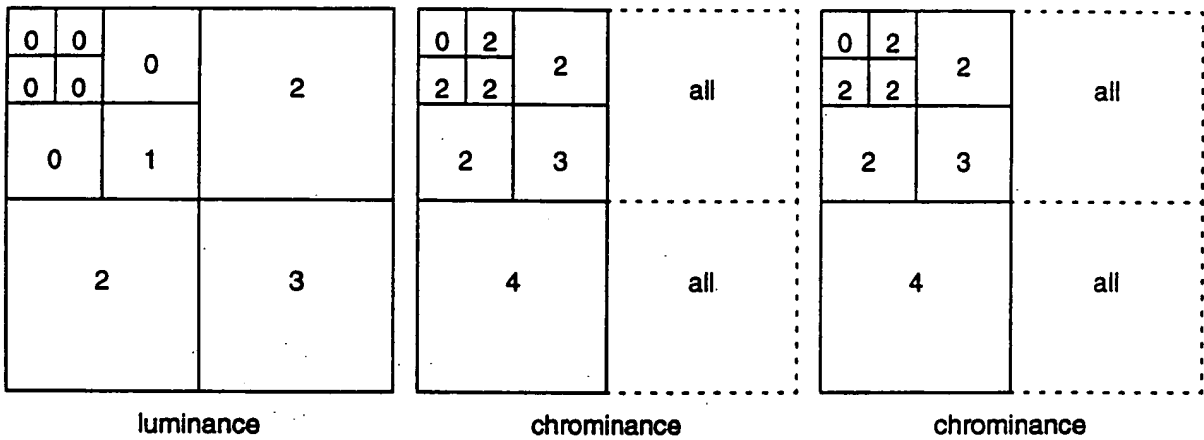


Figure 18



luminance

chrominance

chrominance

Figure 11

2000

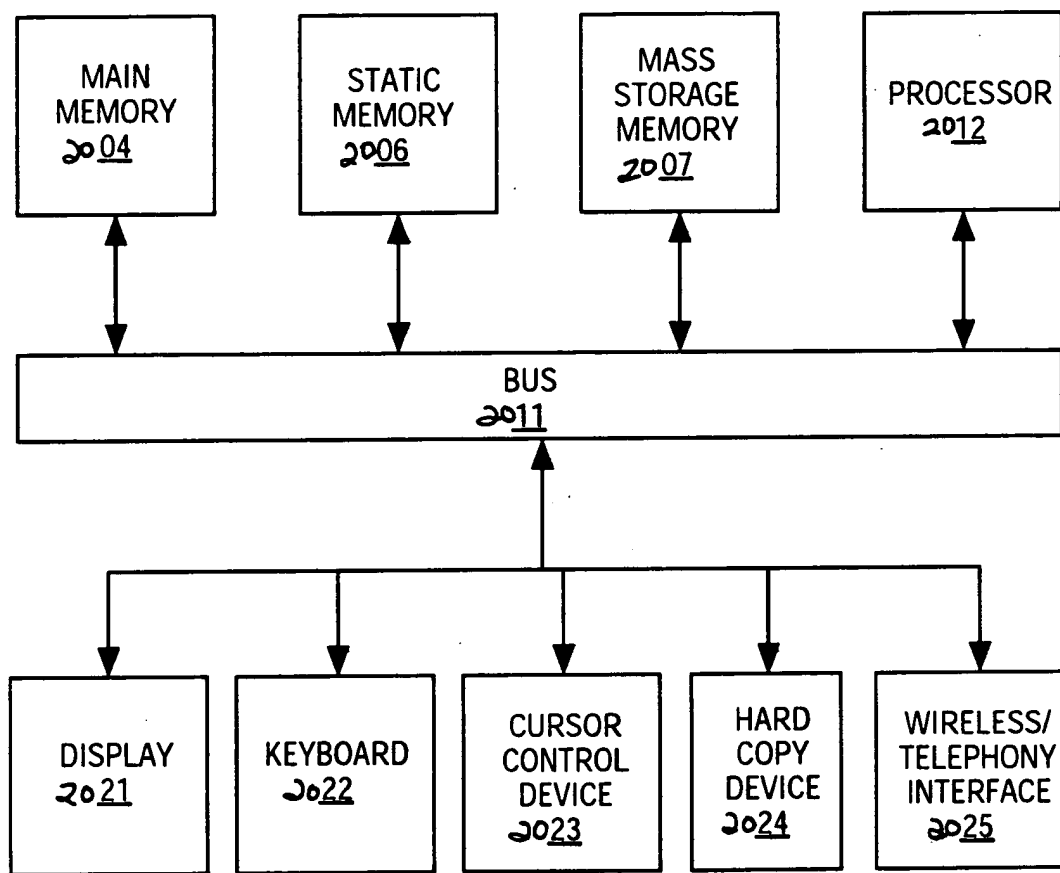


FIG. 20

FIG. 21

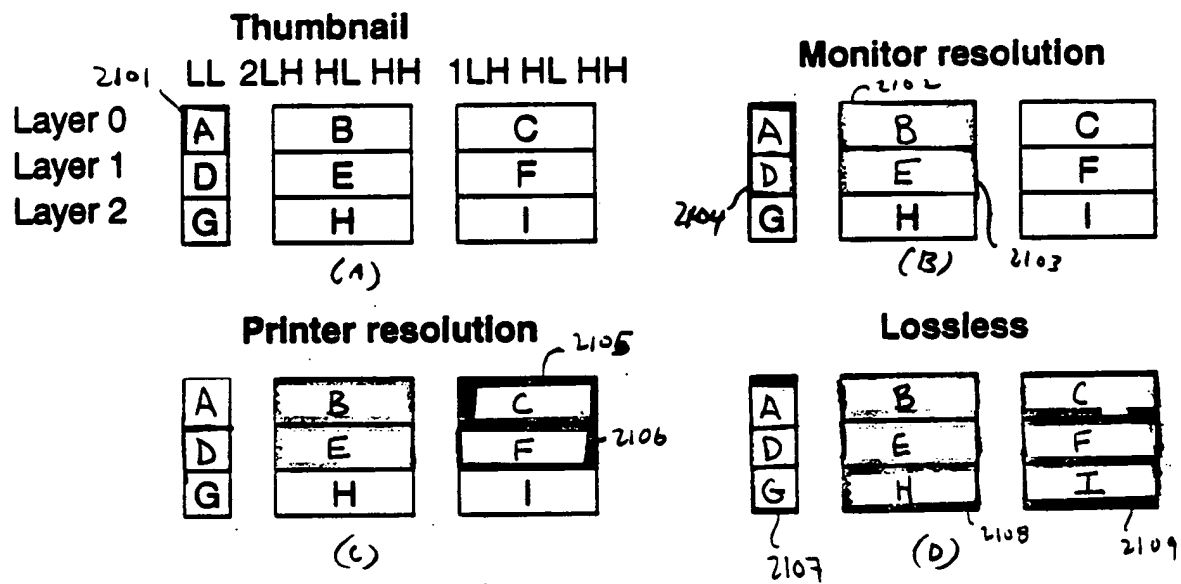


Figure 21

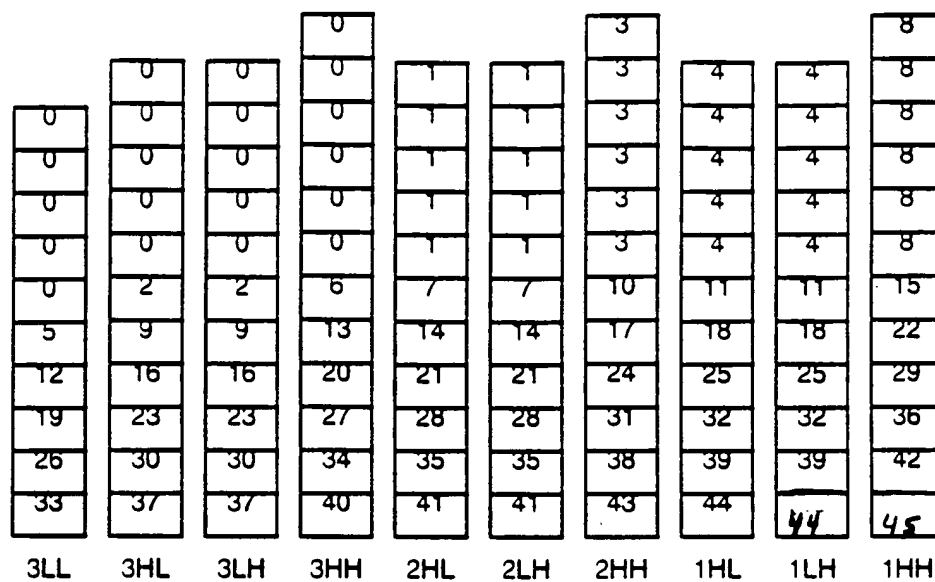


Figure 22

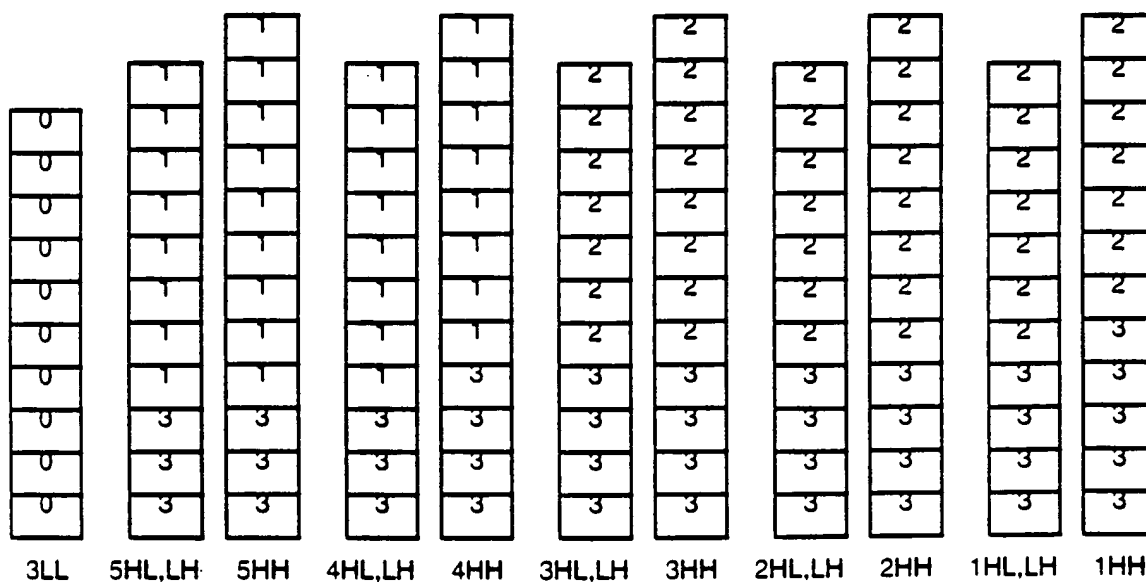


Figure 23

05784928 082001

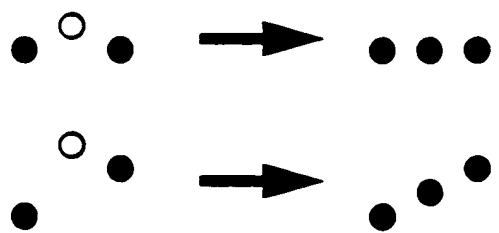


Fig 24



# TYPICAL DECODE OF COLOR IMAGES

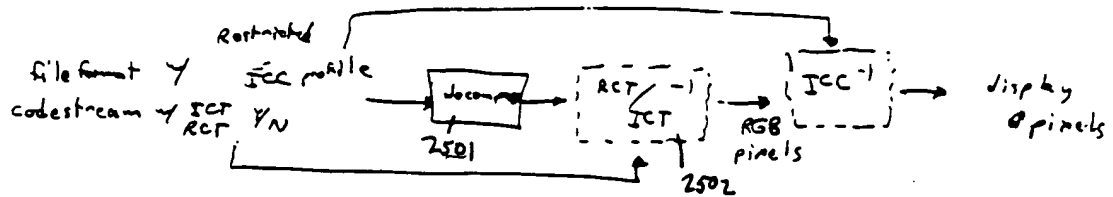


Figure 25

## DUMB CAMERA ENCODER

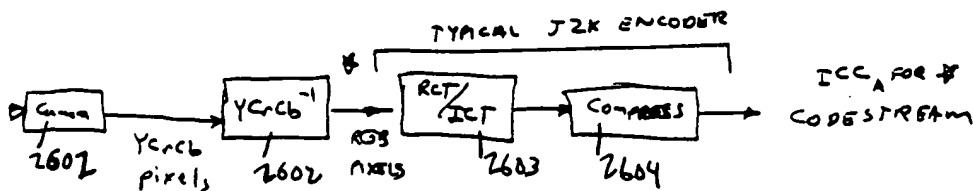


Figure 26

## SIMPLE CAMERA ENCODER

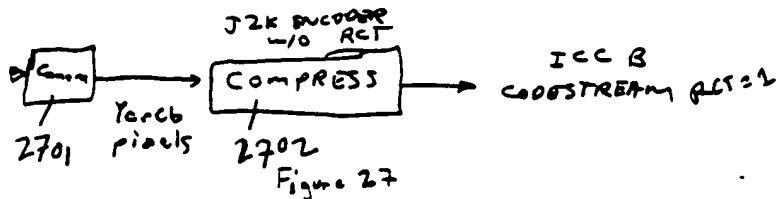


Figure 27

09784928-082001

TOP SECRET 820618Z60

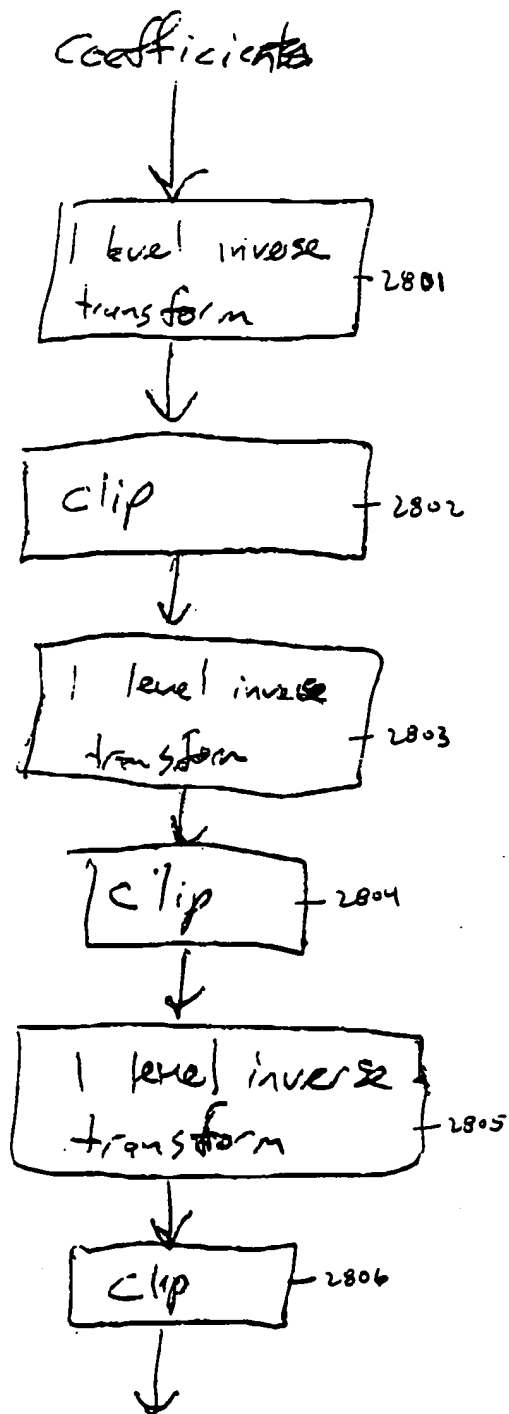


Figure 28